

US EPA ARCHIVE DOCUMENT

056002

SHAUGHNESSEY NO.

REVIEW NO.

EEB BRANCH REVIEW

DATE: IN 10/27/81 OUT 1/4/82

FILE OR REG. NO. 264-336

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE OF SUBMISSION 10/5/81

DATE RECEIVED BY HED 10/26/81

RD REQUESTED COMPLETION DATE 1/13/82

EEB ESTIMATED COMPLETION DATE \_\_\_\_\_

RD ACTION CODE/TYPE OF REVIEW 600/Reregistration

TYPE PRODUCT(S): I, D, H, F, N, R, S Plant Growth Regulator

DATA ACCESSION NO(S). \_\_\_\_\_

PRODUCT MANAGER NO. R. Taylor (25)

PRODUCT NAME(S) Tre-Hold Sprout Inhibitor A-112

COMPANY NAME The Union Carbide Company

SUBMISSION PURPOSE Submission of Data in response to previous EEB Reviews

| SHAUGHNESSEY NO. | CHEMICAL, & FORMULATION        | % A.I.  |
|------------------|--------------------------------|---------|
| <u>056002</u>    | <u>Naphthalene Acetic Acid</u> | <u></u> |
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Pesticide Name Naphthaleneacetic Acid


100 Purpose of Submission

Submission of three aquatic toxicity studies (basic) using technical NAA. The acute studies include a 96-hour rainbow trout test, a 96-hour bluegill sunfish test, and a 48-hour Daphnia test.


101-104 Refer to EEB file and NAA Registration Standard.

107 Conclusions

The three studies submitted [accession number 246079] were required by EEB in a previous review (Yamure, 3/17/80) and in the registration standard for NAA. The three studies submitted were found to be invalid, and thus do not fulfill the requirements previously indicated. In each study, undissolved chemical was noted and, therefore, any conclusions unsupported. The studies should be repeated using a different solvent or method to insure maximum dissolution of the test material. The solubility of NAA in water is reported to exceed 300 ppm, and test media with concentrations less than 300 ppm should not contain visibly undissolved chemical. At a minimum, analysis of the test media is required to indicate the actual concentrations of dissolved chemical in exposure vessels.

 1/6/82  
Leslie Touart, Fisheries Biologist, Section 4

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Henry T. Craven, Head, Section 4

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Clayton Bushong, Chief, Ecological Effects Branch